

**DVR4TH250\*** 4 Channel Hybrid Pentaplex H.264 DVR  
**DVR8TH250\*** 8 Channel Hybrid Pentaplex H.264 DVR  
**DVR16TH250\*** 16 Channel Hybrid Pentaplex H.264 DVR

\*Standard DVR comes with a 250GB HDD - other configurations available up to 3TB internal\*\*

Available with per camera

**Digital Deterrent™**

Audio For Security or Retail Applications



## Features

- Free Speco DDNS server for use with dynamic IP addresses
- MAC™ & PC compatible software included
- Hybrid Operation: Up to 4 channels with popular protocols supported including Speco Internet Protocol (SIP), ACTi, Axis, Sony, Vivotek, Hunt, Sanyo & others
- Selectable H.264, MPEG4, or MJPEG compression
- POS/ATM support with text overlay and searchable database
- Pentaplex operation enabling simultaneous live view or playback while continuing to record, network transfer
- Remote monitoring, recording, playback, change system settings and dome camera control via network and/or internet
- Jog shuttle for easy operation
- Real Time live display
- Remote control included - individually control up to 16 DVRs
- Rack ears included
- Recording rate up to 480 fps
- 4/8/16 channels of audio input
- 3/7/15 channels of 2-way audio
- Supports 3 SATA HDDs
- Digital output via HDMI cable
- DVD/RW Standard for video clip exporting
- USB 2.0 port for video clip exporting, supports USB ThumbDrive®
- Easy software upgrade via Network, USB ThumbDrive®, or CD/DVD
- Configurable per channel normal and event recording frame rate & picture quality or globally via EZ record
- Free Central Management System (CMS) software allows viewing of 256 simultaneous channels on a PC
- Email notification of alarm events
- Per channel built-in dome camera protocol (through RS485) including Pelco D, Pelco P, AD422, Fastrax, JVC
- Automatic camera detection (Plug & Play)
- Digital Zoom 2 x 2 in live mode and playback
- Covert camera operation provides enhanced security, administrator control
- Dynamically programmable recording priority, motion detection, alarms and scheduling
- Programmable call-monitor switching sequence

\*\*4TB maximum if DVD-RW is removed



Remote & Rack Ears Included

- Auto reboot feature: on/off
- Up to 30 second pre-alarm recording
- USB mouse and keyboard supported
- Multiple language on-screen menus
- Password to secure installation with 8 configurable user authentication levels
- Network software supports static IP, DHCP, PPPoE & DDNS
- Network hardware supports 10/100/1000 NIC
- Dimensions: 4 7/8" H X 17 1/4" W X 16 3/4" D
- Weight: 18.45 lbs. with 1 HDD (HDD weighs 1 lb.)
- Power Consumption: Start up @ 90W, Running @ 60W
- HDD size: 250GB, 1TB, 2TB and 3TB configurations\*\*
- Operating temperature: 14° F to 120° F
- UL Listed
- 3 year warranty

Speco Technologies is constantly developing product improvements.

We reserve the right to modify product design and specifications without notice and without incurring any obligation.

Rev. 1/11/10

Technical Specifications:  
4, 8 or 16 Channel H.264 Hybrid  
Pentaplex Digital Video Recorders



MODEL NAME		DVR4TH250	DVR8TH250	DVR16TH250	
<b>Video</b>	Operation System	Embedded (Linux)			
	Video Standard	NTSC / PAL switch selectable			
	Video Operation	Pentaplex+ (Live, Record, Playback, Remote, and Internet access)			
	Resolution – Live Video	NTSC: 720 x 480 pixels PAL: 720 x 576 pixels			
	Input	BNC x 4, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 8, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 16, BNC x 1 1.0Vp-p / 75 Ohm	
	Outputs	Main Monitor	VGA x 1, BNC x 1, S-Video x 1, 1.0Vp-p / 75 Ohm		
		Call Monitor	BNC x 1 1.0Vp-p / 75 Ohm		
		Looping	BNC x 4, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 8, BNC x 1 1.0Vp-p / 75 Ohm	BNC x 16, BNC x 1 1.0Vp-p / 75 Ohm
	VGA Output	800 x 600, 1024 x 768, 1280 x 1024 pixels @ 60Hz, 75Hz			
	Digital Output	Via HDMI cable			
	Picture Refresh Rate (Live View)	NTSC: 480 PPS (16 CH) / PAL: 400 PPS (16 CH)			
Digital Zoom (Live & Playback)	2 x 2				
Camera Installation	Plug & Play				
<b>Audio</b>	Input	4, Line-In	8, Line-In	16, Line-In	
	Main Output	RCA x 1, Line-Out			
	Output	4, Line-Out	8, Line-Out	16, Line-Out	
	2-Way Audio	3/7/15 Channels Supported			
	Recording Mode	Always Real Time Record, Synchronized w/ Video			
	Compression Method	ADPCM, G.726			
	File Size	8KB / Sec.			
	Operation	Local and Remote			
Playback	Only for Video Original Speed				
<b>Recording</b>	Compression Method	H.264 / MPEG4 / MJPEG			
	Recording Mode	Schedule, Alarm, Motion Detection			
	Pre-Alarm	0~30 Sec.			
	Resolution & Rate	NTSC	720x480:	120 fps in MPEG-4 & MJPEG, 60 fps in H.264	
			720x240:	240 fps in MPEG-4 & MJPEG, 120 fps in H.264	
			352x240:	480 fps in MPEG-4 & MJPEG, 240 fps in H.264	
Recording Quality	8 levels presets, adjustable				
Image Size	2K to 24K Byte / picture				
Storage Mode	Linear / Circular				
<b>Playback</b>	Playback	Play, Stop, Pause, Rewind, Forward, Search			
	Playback Speed Adjustment	Yes 1X, 2X...32X			
	Retrieve	Date / Time, Event Playback			
	Data Life Time	Yes (Programmable)			
<b>Storage</b>	Built-in Storage	X4 SATA, HDD / DVD+RW			
	Built-in HDD	Up to 3 built-in HDDs (3TB max.)			
	External Storage	USB HDD			
	Export	USB 2.0 ports, X4, supports ThumbDrive®, DVD+RW			
<b>Alarm</b>	Alarm Input	X4, Terminal Block	X8, Terminal Block	X16, Terminal Block	
	Alarm Detection	N.C. / N.O., Programmable			
	Auditory Alert	Built-in Buzzer			
	Motion Detection	15 X 11 Grid Array, Sensitivity, Trig Level Adjustable			
	Video Loss Detection	Programmable			
	Alarm Relay Output	X2, Terminal Block, 1.0A / 24V (Programmable)			
<b>Communication</b>	Network Connectivity	Ethernet RJ-45 connector, 10/100/1000Mbps, supports DHCP/PPPoE/DDNS			
	Remote Control Software	SpecoRemote™ / CMS			
	Access Remote	8 Levels			
	Remote Operation	Monitoring, Playback, Recording, System Setup, Dome Camera Control, Remote Burn			
	RS232C	D-sub 9 pin female			
	RS485	Terminal Block			
	Dome Control Protocol	Pelco D, Pelco P, AD422, Fastrax, JVC			
	IP Cameras	Up To 4 Channels			
IP Camera Protocols	Speco Internet Protocol (SIP), Xvision, ONVIF, AMTK, Luxon, Sanyo, Hunt, Acti, Sony, Axis 200, Vivotek 7000				